DNA-1000

SET-UP AND OPERATIONS HANDBOOK

GLIDE GEAR LLC
714 Seaboard Street #9B, Myrtle Beach SC 29572 USA
www.glidegear.net

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Introduction

Welcome to camera stabilization the GLIDE GEAR way! The GLIDE GEAR DNA-1000 is our lightest, most compact, advanced hand-held camera stabilizer.

Designed for smaller cameras, it will perfectly accommodate anything from the standard point-and-shoot to Mini-DV and HDV camcorders under 700 grams. Its advanced design and engineering will transform the output of everyday camera equipment and will allow you to produce smooth, high-quality footage free from amateurish shakes and jerks.

The GLIDE GEAR DNA-1000 is fully equipped with all the cutting edge balancing capabilities of other GLIDE GEAR hand-held camera stabilization products but in a smaller and lighter package, which makes it ideal for amateur and professional videographers alike. GLIDE GEAR Camera Stabilizers provide unique balance and isolation; and, with the DNA-1000, even ordinary recoding devices can get that seamless, floating, and shake-free movement.

Caught by an impromptu event at home, in the office, or anywhere else? Shoot the occasion with the confidence of being able to perform a wide assortment of camera movements; pan, tilt, boom, and move without any fear of losing balance or stability. The GLIDE GEAR DNA-1000 works so effectively that quality footage is within reach even under extreme conditions. There's no cause for worry anymore when shooting over bumpy terrain or going up and down steps. Imagine, it can deliver performance in such settings, you can picture how much better your footage will be when shooting normally, in natural walking speed or during a slow-mo movement around a subject.

The GLIDE GEAR DNA-1000 features an offset, foam-wrapped, cushioned Handle Grip that is connected to a free-floating, three-axis Gimbal. This is what allows the camera operator to move it from side-to-side or up and down yet keep the camera stable; the camera is isolated from all the movement. The Hand Grip and Gimbal together attenuate the bouncy, jumpy movement that often results from the use of similar systems out in the market. This is because our Handle Grip has been engineered to have this added feature: the ability for vertical movement. This design element, combined with the overall higher inertia of the GLIDE GEAR DNA-1000 results in greater stabilization especially in comparison to the competition.

Its patented precision three-axis Gimbal features multiple adjustable axis convergence controls, which allows for the compound axes to intersect for correct alignment during operation.

Designed with a Camera Plate on its Camera-Mounting Platform, the GLIDE GEAR DNA-1000 is a no-tools-required camera mount that lets you perform quick attachment and removal of the camera. The easy to operate Control Knobs make for simple and accurate adjustment of the platform mount's forward and backward, and sideways movement. Through the Control Knobs, you can easily adjust the camera's horizontal balance.

The GLIDE GEAR DNA-1000 comes with an array of Counterweights. You can fine-tune the camera's vertical balance by modifying the amount of weight on the Base Platform or through adjustments in the height of the telescoping Central Post. A properly balanced camera on a GLIDE GEAR DNA-1000 practically floats and is ready to get into the thick of the action whenever you are.

Much sought-after features are bundled into the GLIDE GEAR DNA-1000. Camera operators are always on the lookout for exceptional control and maneuverability, and ease of use; and they get it all with this camera stabilizer's exceedingly adjustable control, weight, and balance distribution areas. Set-up, control, and adjustments on the system balance can be executed easily and precisely.

The biggest factor in the GLIDE GEAR DNA-1000's system is it's compact and lightweight makeup. Sure, it has all the features its bigger counterparts in the GLIDE GEAR family of camera stabilizers and also makes the tripods and dollies non-essentials in the quest for smooth and polished output, but most importantly, it's small, light, and easy to wield.

GLIDE GEAR continues to develop camera stabilization products for the modern enthusiast and professional. Pushing the envelope in design and manufacturing to ensure that more and more can have access to them. This is also why it is fast becoming the choice of this new generation. GLIDE GEAR now has a wide array of camera stabilizers, every one of which is created to work best with specific camera equipment and shooting requirements.

To achieve professional quality results with GLIDE GEAR products, some practice and a good understanding of the equipment is needed. Please read this manual through carefully before setting up and using your GLIDE GEAR DNA-1000. Reading the instructions, performing the Setup and Operation steps in the correct order will not only lower the risk of possible accidents that may cause damage to your equipment, it'll also help you avoid frustration.

For further technical assistance, you may reach us at glidegearhdslr@gmail.com or call our Technical Support Lines (843)492-5283 (US) and (020)8816-7576 (UK).

GLIDE GEAR DNA-1000 Parts and Components

Welcome to your GLIDE GEAR experience! With your purchase of the GLIDE GEAR DNA-1000 comes a whole new perspective on shooting and creativity!

1

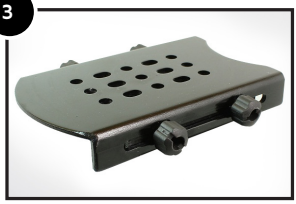
1. From the box, your GLIDE GEAR DNA-1000 will include the following:
- GLIDE GEAR DNA-1000 Manual
- Central Post with Gimbal assembly
- Camera Plate
- Camera Mounting Platform
- Telescoping Post
- Base Platform
- Counterweight Plates
- Hardware bag

2

2. The GLIDE GEAR DNA-1000 has a **Central Post** with the **Gimbal** assembly attached.

IMPORTANT: Do not make any adjustments or attempt to tighten the original factory settings on the Gimbal, handle, and yoke. These parts need to be able to move freely and stay loose, exactly as they have been shipped to you.

3

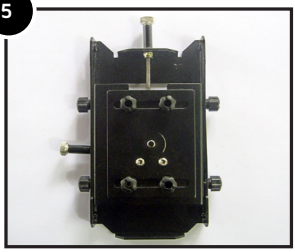


3. These make up the head assembly of the GLIDE GEAR DNA-1000. It includes:
- **Camera Plate**
- **Camera Mounting Platform**

4

4. The GLIDE GEAR DNA-1000's **Camera Plate** is where the camera is mounted. To take it out and release the plate quickly from the head assembly, turn the knobs counterclockwise and pull on them to release.

5

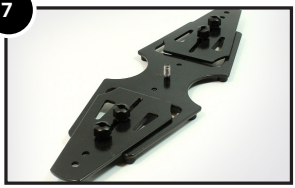


5. The **Camera Mounting Platform** features forward and backward, and sideways movement adjustment knobs.

6

6. The **Telescoping Post**.

7



7. The **Base Platform**.

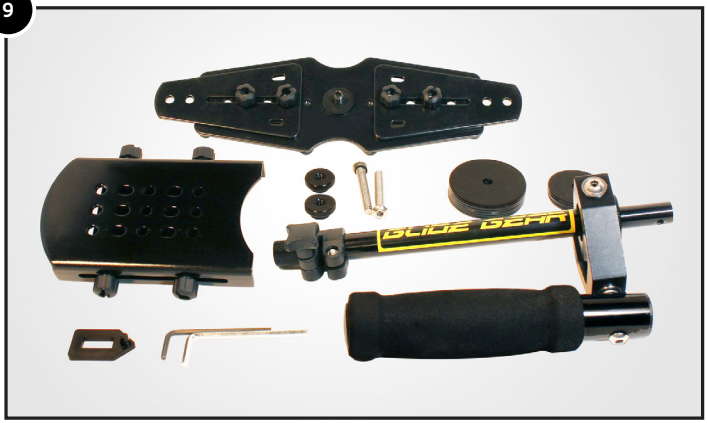
8

8. The GLIDE GEAR DNA-1000 comes with Counterweights that consist of:

- **10 Counterweight Discs**

9. **Hardware** set for the GLIDE GEAR DNA-1000

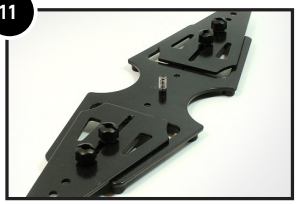
9



Assembling Your Glide Gear

NOTE: Images used for the assembly, setup, and handling sections of this manual feature both the GLIDE GEAR DNA-1000 and DNA-5050. THE DNA-1000 is a smaller version of the DNA-5050 and generally features the same parts and functions. Differences in the models' setup and functions will be duly highlighted and specified.

11

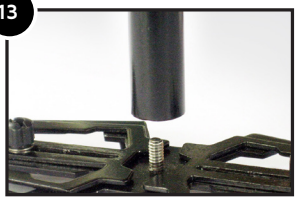


11. Start with the **Base Platform** and the **Telescoping Post**.

12

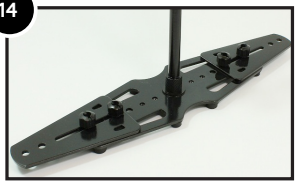
12. Check the bottom one end of the **Telescoping Post**, it has the threaded insert.

13



13. A threaded stud attached to the center of the **Base Platform** is the connection point for the **Telescoping Post**. Screw in the **Telescoping Post** securely to connect it to the **Base Platform**.

14

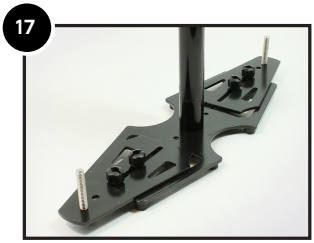


14. The **Telescoping Post** attached to the **Base Platform** should look like image #14.

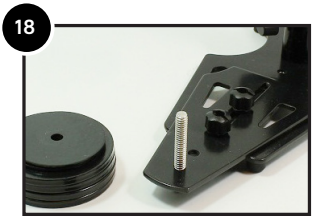
15

15. Locate 1 pair of bolts and attach their corresponding washers from the hardware pack.

16. Insert the bolts with their washers into the slots on the **Base Platform**. Do this for both sides.

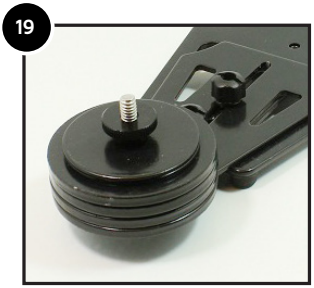


17. PROGRESS CHECK: your GLIDE GEAR DNA-1000 should like image #17.



18. Get the **Counterweight Plates** and slide them through the bolts on the **Base Platform**. The holes in the **Counterweight Plates** line up with the position of the bolts.

NOTE: Heavier cameras will need more counterweight than lighter ones.*



*The GLIDE GEAR DNA-1000 can accommodate devices weighing less than 700 grams.

19. Lock the **Counterweight Plates** in place with thumb nuts. Do the same for the other stack on the other side of the **Base Platform**.

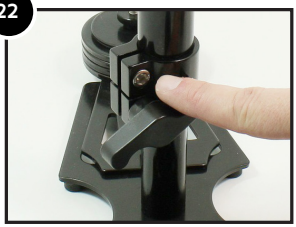
20. PROGRESS CHECK: Your GLIDE GEAR DNA-1000 now has the **Base Platform** assembled complete with **Counterweights**.

NOTE: Extending the length of the Base Platform and moving the Counterweight Plates further apart will create pan inertia; this will slow down the rotation of the sled and may also decrease side-to-side movement while taking moving shots.

21

21. Next comes the insertion of the **Telescoping Post** along with the attached **Base Platform** into the **Central Post**.

22



22. Refer to image #22 to see how the **Telescoping Clamp's** adjustment knob should be aligned. To get to this aligned position, just rotate the entire **Central Post** into the correct position then tighten the adjustment knob. Leave about an inch of the **Telescoping Post** outside the **Central Post** under the **Telescoping Clamp**. Aligning the **Telescoping Clamp's** adjustment knob as instructed does not necessarily affect the function or balance of your GLIDE GEAR DNA-1000, but it does make it easier to reach when you need to use it.

23

23. Tighten the adjustment knob on the **Telescoping Clamp**. Tightening of the adjustment knob should only be done by hand.

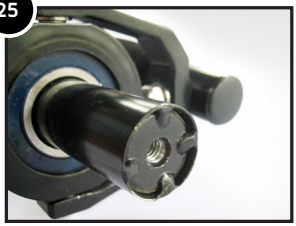
WARNING: Do not over tighten this knob.

24

24. PROGRESS CHECK: Your GLIDE GEAR DNA-1000 should look like the one in image #24. It will have the **Base Platform** and **Telescoping Post** assembly properly aligned and connected to the **Central Post**.

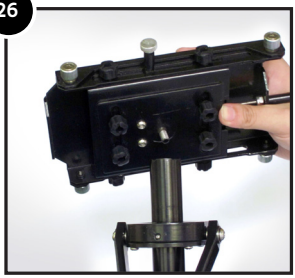
The number of **Counterweight Plates** you will need will vary and will be dictated by the weight of the camera you use. We will tackle the setting of the correct number of **Counterweights** required for your specific camera later.

25



25. Check the threaded insert at the top of the **Central Post**.

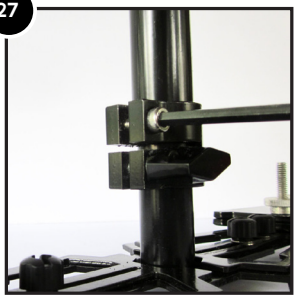
26



26. Screw in the stud located at the bottom of the **Camera Mounting Platform** to the threaded insert on top of the **Central Post**.

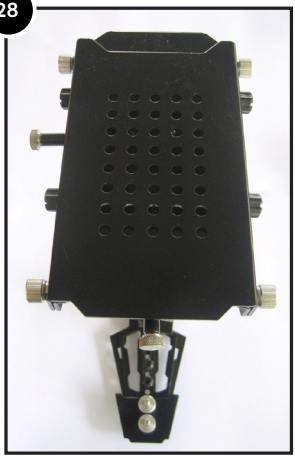
The next steps shows how you are going to align the **Camera Mounting Platform** so that its front end is parallel to the front end of the **Base Platform**. Correct alignment will have your GLIDE GEAR DNA-1000 looking like the one in image #28.

27



27. We have two ways to adjust this alignment. The first and simplest method is to loosen the adjustment knob on the **Telescoping Clamp** and rotate the parts until they are aligned as seen in image #28; then, just tightening the adjustment knob back. Keep the 1" of **Telescoping Post** visible below the **Telescoping Clamp** as before.

28



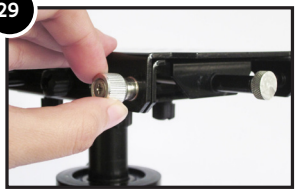
28. Another way of correctly aligning said parts is to use an Allen wrench to loosen the screw on the top part of the **Telescoping Clamp** as shown in image #27. Do this until you can rotate and correctly align the parts as shown in image #28; remember to retighten the screw.

NOTE: This method is recommended because it leaves the Telescoping Clamp's adjustment knob properly aligned as in image #22. Again, while technically it does not affect the function or balance of your GLIDE GEAR DNA-1000, it does make it easier to reach when you need to use it.

Attaching Your Camera To Your Glide Gear DNA-1000

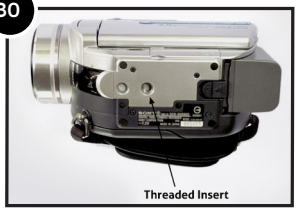
Note: All succeeding images use the larger GLIDE GEAR DNA-5050 for illustration purposes.

29



29. It's now time to attach your camera to the GLIDE GEAR DNA-1000's **Camera Plate**. First, remove the **Camera Plate** from the head assembly by turning the knobs counterclockwise and pulling on them to release.

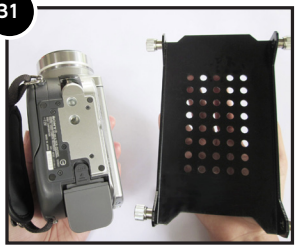
30



30. Check the bottom of your camera and locate the threaded insert.

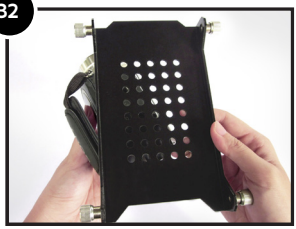
31. Next, lay your camera on a stable surface and place it bottom side up. Put the **Camera Plate** over the camera bottom and center it as shown in image #32.

31



32. Align the Camera Plate to the bottom of your camera and make sure that it is flush against the surface. Line up the threaded insert on the bottom of your camera with one of the mounting holes in the **Camera Plate**.

32

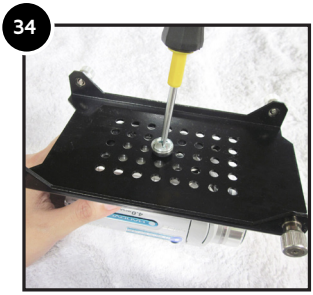


NOTE: If you're using a camcorder or film camera that is larger that the one shown in this manual, you might want to first find the true front to back center of gravity. You can do this by rolling the base of your camera on a pencil until it is balanced on it; mark that point on the camera's side with a small piece of tape, then refer to this marking to center the Camera Plate over you camera's center of gravity.

33

33. Use a camera mounting screw and a ¼" washer to attach the **Camera Plate** to your camera.

NOTE: Check how the shorter camera mounting screw fits. If it does not fasten your camera securely to the Camera Plate then try a slightly longer mounting screw. You can also try using more than one ¼" washer or eliminate the use of washers altogether to get the right fit.



34. Place your camera on your lap or better yet, on a stable but cushioned surface—a folded towel on a table is a good example. Now that the **Camera Plate** is in position, use a screwdriver to affix the **Camera Plate** to your camera with the camera mounting screw and the ¼" washer pair.

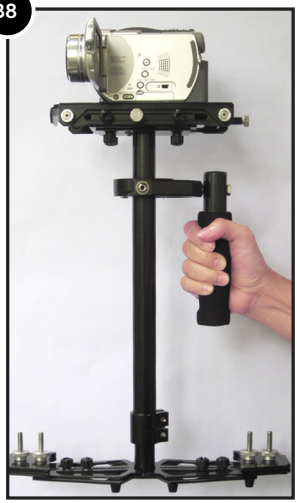
NOTE: Do not over tighten this screw. Doing so will likely damage the threaded insert in your camera base.

35. PROGRESS CHECK: Your camera and **Camera Plate** should now be securely attached to each other as shown in image #35

NOTE: If the Camera Plate can be easily rotated on the base of your camera even when you have adequately tightened the camera mounting screw, and you don't feel comfortable tightening the camera mounting screw some more, then you should consider using some kind of flexible "gasket" between your camera base and the Camera Plate. Some materials you can use are rubber tape or a flat piece of rubber you can easily find at home—you can, for example, cut up a piece of old rubber household glove.

36. You can now securely place and center your camera with the attached **Camera Plate** onto the **Camera Mounting Platform**. Check that all knobs are pulled all the way out before installing. Once the plate is installed, push in the four knobs and turn them clockwise to tighten.

37. A checklist before you start the balancing process:
a) The camera is securely attached to the **Camera Plate** and all four knobs are pushed in and tightened.
b) The lens cap has been removed and is secure.
c) The camera battery and video tape/disc are installed.
d) The flip out LCD is in its operating position (if applicable, as seen in image #37)
e) The **Telescoping Clamp** is secure.
f) Weights have been added to the **Base Platform**.



38. **Balancing the Horizontal Axis**. At this point, your GLIDE GEAR DNA-1000 is properly assembled. You can now move on to setting up and testing the horizontal balance of the system. You need horizontal balance for your GLIDE GEAR DNA-1000 so it can allow your camera to stay level during operation, given that you are not applying a pan, tilt, or roll type of hand pressure to the GLIDE GEAR DNA-1000.

In short, if your GLIDE GEAR DNA-1000 is horizontally balanced, your camera will remain level and the **Central Post** will stay vertical unless intentionally positioned otherwise. Additionally, if the GLIDE GEAR DNA-1000 is horizontally balanced, it will always return to a level and vertical position after you release any pan, tilt, or roll pressure on the **Central Post** as seen in image #38.

39. **Testing for Proper Horizontal Balance**. When doing the test for proper horizontal balance you have to make sure to pick up your GLIDE GEAR DNA-1000 from a flat and level surface such as a table; you also need to let the GLIDE GEAR DNA-1000 hang freely as you hold it from the by the Handle Grip as seen in image #38. A GLIDE GEAR DNA-1000 that is properly balanced on its horizon-

tal axis will be level and upright, with the **Central Post** in virtually a perfect vertical position as seen in images #38 and #40.

Chances are, your GLIDE GEAR DNA-1000 will not look as it does in images #38 and #40. This just means that you have some adjustments to make.

WARNING: Not having enough Counterweight on the Base Platform at this time will cause the entire GLIDE GEAR DNA-1000 to flip completely upside down. Should this happen, add more Counterweight Plates to the Base Platform until your GLIDE GEAR remains right side up during this test.

The best method of adjusting the horizontal balance is to move your camera's center of gravity. You can do this in one of two ways: a) you can re-bolt the camera to a different area of the **Camera Plate** or b) you can adjust the position of the **Camera Plate** and the **Camera Mounting Platform** either front-to-back or side-to-side with the camera on it. Option "b" is the preferred method.

Should your GLIDE GEAR DNA-1000 tilt as it does in image #39, you then need to loosen the thumb screws on the sides of the **Camera Mounting Platform** and turn the adjustment knob counterclockwise. If the GLIDE GEAR DNA-1000 still tilts to the front, move the **Camera Plate** a little more to the back by turning the adjustment knob. If the GLIDE GEAR DNA-1000 is tilting to the back instead, then move the **Camera Plate** to the front by turning the adjustment knob clockwise. Always secure the thumb screws after any adjustments. If you still cannot get the front to back axis balanced with method, then we suggest re-mounting your camera to a different hole on the **Camera Plate**. When you attain balance for the front to back axis, secure the four thumb screws on the **Camera Mounting Platform**.

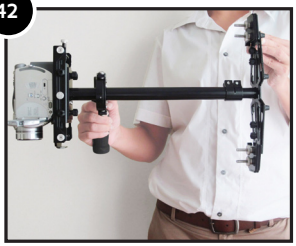
40

40. Should your GLIDE GEAR DNA-1000 lean sideways, for example to the right, you will need to loosen the thumb screws at the bottom of the **Camera Mounting Platform** and turn the side-to-side adjustment knob counterclockwise. Should you notice a leftward lean—from the operator's vantage point—as seen in image #41, then adjust it to the right by turning the side-to-side adjustment knob clockwise. Remember to always tighten the thumb screws after performing any adjustment. A properly adjusted side-to-side horizontal axis is shown in image #40.

41. Once you're done adjusting the side-to-side balance, you might have to go back and tweak the front-to-back balance in order to get a true, fine balance of the of the entire system. You can either just do a visual check to judge for the correct whorizontal balance of your GLIDE GEAR DNA-1000 or employ a lightweight bubble level (not included) to make sure.

NOTE: The GLIDE GEAR DNA-1000's horizontal balance tends to be less sensitive as it becomes more bottom heavy; conversely, the horizontal balance becomes very sensitive as the GLIDE GEAR DNA-1000 moves toward correct vertical balance (more in the next section).

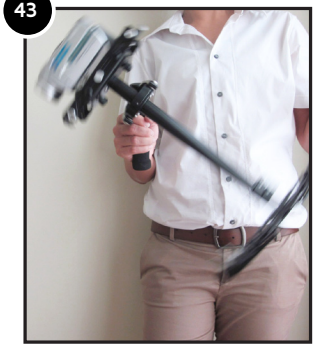
NOTE: Afterward, when you have adjusted the vertical balance of your GLIDE GEAR DNA-1000, you will have to go back and readjust the horizontal balance once more in order to achieve a true, fine balance of the entire system.



42. **Balancing the Vertical Axis**. Now that your GLIDE GEAR DNA-1000 is horizontally balanced, you can turn your attention to setting up and testing the system's vertical axis balance. The point of having a proper vertical balance for your camera and GLIDE GEAR DNA-1000 is so that they can stay level during operation, given that you are not applying a pan, tilt, or roll type of hand pressure to the GLIDE GEAR DNA-1000. Most important of all, that the DNA-1000's **Central Post** remains vertical even when you are walking, running, or turning during operation.

In short, if your GLIDE GEAR DNA-1000 is vertically balanced, your camera will remain level and the **Central Post** will stay vertical unless intentionally positioned otherwise. A vertically unbalanced GLIDE

GEAR DNA-1000 will swing about and pendulum when you walk, run, or turn.



43. Once more, if the vertical balance is properly set, you will be able to move about quickly as well as start or stop moving suddenly and still keep the **Central Post** vertical. To adjust the GLIDE GEAR DNA-1000's vertical balance you can either attach or take out **Counterweights** from the **Base Platform**, or telescope the **Base Platform** in or out. When you have more or less the right amount of weight on the **Base Platform**, you can fine-tune the vertical balance further by using the **Telescoping Post**.

NOTE: The GLIDE GEAR DNA-1000 swinging between horizontal and vertical during the "Sled Arc Test" as seen in image #43.

44. The Sled Arc Test is performed to check the balance of the vertical axis. Doing the Sled Arc Test is as simple as holding the GLIDE GEAR DNA-1000 by its **Handle Grip**, pulling the **Base Platform** up and back until the **Central Post** is horizontal and motionless as in image #42, then gently letting the **Base Platform** go. After that, you need to take note how many seconds it will take for the GLIDE GEAR DNA-1000 to go from the horizontal position is was just in as shown in image #43, to the moment it first passes the vertical position, see image #44.

A vertically balanced GLIDE GEAR DNA-1000 will take approximately two to three seconds—also known as "Drop Time"—to pass the vertical position. Make sure to count your seconds by reciting them to beat like: one one thousand, two one thousand, and so on for better accuracy. Adjust the number of **Counterweight Plates** on the **Base Platform** or lengthen or shorten the **Telescoping Post** until it takes only two to three seconds for the

GLIDE GEAR DNA-1000 to swing in an arc from horizontal to vertical.

NOTE: The length of Drop Time set will, in the end, be up to you to decide. Different Drop Times affect the vertical balance and as a result, will change the obtainable shooting output.

An alternative method to check for proper vertical balance is the "Movement Test." It requires moving forward with the GLIDE GEAR DNA-1000 and suddenly stopping. If the abrupt movement causes the its **Base Platform** to swing or pendulum away from you or from the upright vertical position it was previously in, then you have confirmation that it is not vertically balanced. Adjust the number of **Counterweight Plates** on the **Base Platform**, or lengthen or shorten the **Telescoping Post** until the GLIDE GEAR DNA-1000 stays vertical during the Movement Test.

This test also applies to running or turning around abruptly while holding the GLIDE GEAR DNA-1000. Again, movements such as running or quick turns will not affect a vertically balanced DNA-1000's basic, upright position.

Image #44 shows the GLIDE GEAR DNA-1000 swinging past an illustrated vertical line. During a Sled Arc Test, the GLIDE GEAR DNA-1000 will swing or pendulum past this line over a dozen times if left alone; but, it is only the initial swinging in an arc movement that you need to concern yourself with. When you have counted the time it takes for the GLIDE GEAR DNA-1000 to go from horizontal to passing the vertical once, you can stop the test. You can either put down the GLIDE GEAR DNA-1000 or make your adjustments and perform the test again.

NOTE: Adding more Counterweight Plates or lengthening the Telescoping Post will speed up the Drop Time. Taking out Counterweight or shortening the Telescoping Post will slow down the Drop Time.

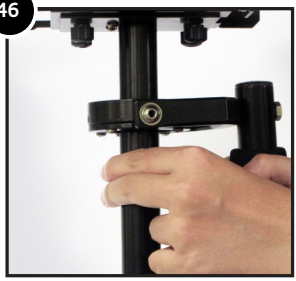
Handling Your Glide Gear DNA-1000

Knowing how to correctly handle your GLIDE GEAR DNA-1000 is a must prior to shooting or filming any project. In the operation of the your DNA-1000, one hand will be used to hold the **Handle Grip** and the other, to guide the camera in the direction you want to shoot. For clarity's sake, let's call the hand on the **Handle Grip** the "Grip Hand" and the hand that directs the camera's movements such as tilting, panning, etc., the "Guide Hand."

45

45. There are a couple of things you need to do to properly handle your GLIDE GEAR DNA-1000 and they are: 1) grip it firmly, and 2) take hold of it either in the middle or near the bottom of the **Handle Grip**. The position you pick will depend on the type of shots you need to take. For normal shooting, it is best to grip the handle in the middle as in image #45. For shots that require pointing the camera up, down, or sideways best to grip it firmly at the bottom; doing so will allow the "yoke" of the **Gimbal** to twist and move around without hitting your hands or knuckles.

46



46. As you handle your GLIDE GEAR DNA-1000, you will want to use your **Guide Hand** to lightly hold onto either the point just under the yoke and bearing assembly as seen in image #46, or a spot down by the **Base Platform** as seen in image #53. When using your GLIDE GEAR DNA-1000, these two areas allow for the easiest and best control. Again, the hand position you pick will depend on the type of shots you need to take.

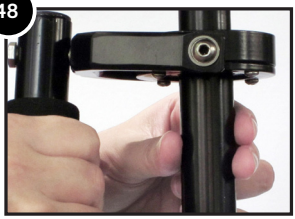
Observe how the **Guide Hand** does not touch the yoke or main bearing assembly.

47. Normal shooting will require that you hold the GLIDE GEAR DNA-1000 with your **Guide Hand** at the spot just underneath the yoke as seen in

image #46. Handling it this way will allow you to subtly aim your camera while maintaining the camera's upright position. This is the position that will let you shoot the smoothest footage when walking or running with the unit during normal shooting.

NOTE: Take note that your Guide Hand and Grip Hand do not touch the bearing assembly or yoke while shooting; doing so can lead to unsteady shooting. Irregular or unconventional shots such as those that require pointing the camera straight up or down, or sideways will need you to hold the GLIDE GEAR DNA-1000's lower portion or by the Base Platform as seen in image #53. This will give your Guide Hand a higher measure of control over the unit even while shooting erratic shots and angles.

48

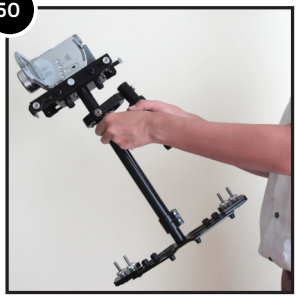


48. The GLIDE GEAR DNA-1000 is designed for two-handed operation as seen in images #46 and #48. Operating it with your **Grip Hand** alone, the camera is likely to drift away from its original position as you shoot. Your **Guide Hand** is essential in controlling the camera's direction.

49

49. In the operation of the GLIDE GEAR DNA-1000, you will not be able to use the viewfinder. Putting your eye right next to the viewfinder's eyecup will hamper the stabilization capabilities of the GLIDE GEAR DNA-1000. It is best to use the camera's built-in LCD monitor as shown in image #54. Another option is to attach a separate external monitor directly to the **Base Platform**. This monitor "mounting hole" can be found at both the front and back edges of the **Base Platform**.

50



50. While we think attaching an external LCD monitor to the **Base Platform** is a better option because it will encourage you to look down to check on it more often—and therefore, get more opportunities to look at where you're going and make getting around obstacles in your path safer—you can opt to attach the external LCD monitor to the accessory shoe on top of your camera.

NOTE: Images #49 to #51 show the GLIDE GEAR DNA-1000 held and used in different ways.

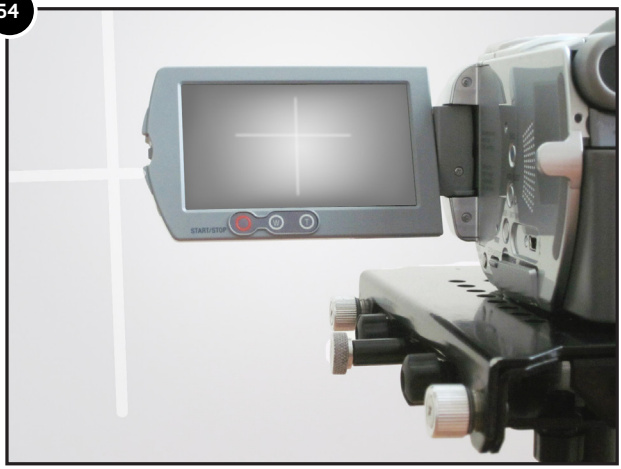
51. Putting your GLIDE GEAR DNA-1000 to use for extended periods of time can fatigue you **Grip Hand** easily. Should tiredness set in while you're in the middle of a shoot, you can try switching hand roles in the operation of your GLIDE GEAR DNA-1000 —swap your **Grip Hand** with your **Guide Hand** and vice versa. Or, you can opt to take a break and rest for a bit by placing the unit upright on a level surface or laying it on the ground; if you're using the bracket, you can also dock the sled.

GLIDE GEAR also has separate accessories for the DNA-1000 that can address your need for help in handling the unit for longer periods of time. Check out our website: www.glidegearhdslr.com or give us a call to learn more.

52. In the handling or operation of your GLIDE GEAR DNA-1000, be aware and steer clear of sudden and forceful movements such as a violent jerking motion with your arm and similar actions. Performing such can cause damage to the unit and possibly even get your camera loose from the **Camera Plate**.

53. The GLIDE GEAR DNA-1000 is not made for underwater shooting; it does not work underwater. The unit is not waterproof. You are advised to avoid direct exposure to rain and water spray. Also, the GLIDE GEAR DNA-1000's bearings are sensitive to dirt and sand, so avoid getting any into them. Refer to the bearing maintenance section for more information.

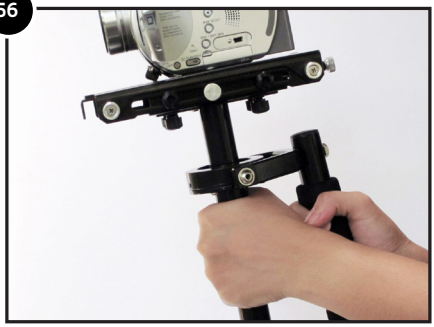
54



54. When using a standard consumer camcorder you will likely notice that the widest focal length setting on such units are not sufficient to replicate looks often shot with professional cranes, dollies, and stabilizers; but, there is a workaround. Using a wide-angle lens converter over your standard camcorder lens when shooting should take care of this.

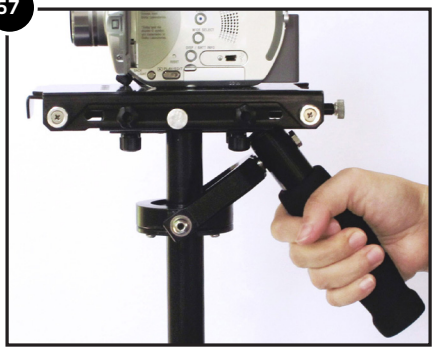
55. **Walking the Line**. "Walking the line" is an exercise designed to help you use your GLIDE GEAR DNA-1000 more accurately. All you will need is some masking tape, camera, or gaffer's tape. First, create a cross mark on a flat wall; this mark will be for framing purposes. Next, lay down tape in a straight line on the floor leading up to the cross mark; this line should be around 10 to 20 feet long. Then, the exercise will proceed with you walking the line you laid down on the floor and keeping the cross mark on the wall centered on your LCD monitor as in image #54. The objective of this exercise is to train you precision framing during a shoot.

56



56. Do not clutch the Central Post when shooting with the GLIDE GEAR DNA-1000 as seen in image #56. Doing so voids the principle of the thee-axis Gimbal and the isolation it provides. Refer to images #46 and #48 for proper handling of your GLIDE GEAR DNA-1000.

57



57. Do not let the Handle Grip to come into contact with the Camera Mounting Platform as seen in image #57. Such contact will limit your range of motion and will lead to shaky, jerky, and possibly unusable footage. Remember to position the Handle Grip as shown in image #45.

Other Camera Attachment Methods

Create a Gasket. In case your camera does not have a true flat and level bottom to allow for full contact with the **Camera Plate**, getting it solidly attached can become an issue. Making and adding a paper/cloth or rubber gasket to the **Camera Plate** can easily resolve this. Using the **Camera Plate** as pattern simply cut the material (such as a piece of rubber dishwashing glove) and make a hole in it to let the **Camera Mounting Bolt** through and into the base of your camcorder's threaded insert.

PROFESSIONAL USAGE

Using the GLIDE GEAR DNA-1000 to achieve professional output, perhaps in taking shots or footage you'd like to incorporate into a movie or some type of commercial project, we highly recommend plenty of pre-planning and maybe even rehearsing your shots before the actual shoot. Having an assistant, especially during complicated shots, will increase your chances of getting the professional look you're aiming for.

Good luck and enjoy shooting with your GLIDE GEAR DNA-1000.

MAINTENANCE

Cleaning. Cleaning your GLIDE GEAR DNA-1000 is simple. If or when the unit gets dirty, just use a water-dampened cloth or sponge to gently wipe it clean. Do not use solvents or harsh cleaners of any kind.

Bearing Maintenance. Your GLIDE GEAR DNA-1000's main bearing is connected to the Central Post, approximately two inches from the top. The main bearing is metal and is partly enclosed by the bearing assembly. If after some time this bearing does not quite turn as smoothly as it originally did, you can thinly coat it with light lubricating oil. Remember, you just need to use a very small amount of oil, anything more than that will just ooze out of the bearing and onto to your GLIDE GEAR DNA-1000. You can also use the light lubricating oil for your GLIDE GEAR DNA-1000's yoke and handle bearings. Take care to safeguard your camera from the oil by checking and cleaning up any spill over when you're done.

Storage. When storing your GLIDE GEAR DNA-1000 for long periods of time, remember to keep it upright and in a dry or low to normal humidity area as much as possible. If you cannot be sure of the environment's humidity conditions, we then suggest that the unit be stored in an airtight plastic container or bag. Storing the unit upright helps in alleviating the stress on the system.

Warnings

Take care when using your GLIDE GEAR DNA-1000 at night, in low light conditions, and in uneven or unfamiliar terrain. A dangerous and bad mistake you can make is focusing so much on what you're shooting and not seeing the hazards along your path. You can trip, fall over, or slip on something; or, stray into a dangerous area like a street with busy automobile traffic, a deep pothole or even a swimming pool. Extra care is also necessary when tackling stairs and other kinds of uneven ground. These warnings apply to shooting in daylight and well-lit areas.

Minors using this product should have adult supervision. If you intend to shoot while moving fast, or while traversing uneven terrain, do not hesitate to wear protective gear such as knee and elbow pads, a helmet, and eye protection.

Warranty

We will repair or replace you GLIDE GEAR DNA-1000, free of charge, in the event of a defect in materials or craftsmanship obtained during normal use or handling based on the GLIDE GEAR DNA-1000 user's manual for ninety (90) days from date of shipment (shipment date appears on your purchase receipt). Shipping, packing, and insurance costs to and from the factory will be your responsibility.

This limited warranty is available only to the original buyer and proof of purchase in the form of the original receipt is required.

The warranty does not include, by way of example, damage cause by products not supplied us or damage resulting from mishandling in transit, accident, misuse, neglect, vandalism, modification, lack of reasonable care (pertaining to units for commercial use, including rental to others) of the GLIDE GEAR DNA-1000, or service by anyone other than our company. We offer no express warranties except as listed above. This warranty awards you specific legal rights. You may also have other rights that may differ from state to state.

GLIDE GEAR is not liable for incidental or consequential damages resulting from the use of the unit or occurring due to any breach of this warranty. All express and implied warranties, including the warranties of merchantability and fitness for a particular purpose, are limited to the ninety (90) day warranty period.

To get service during or beyond the warranty period, you may get in touch with us through sales@glidegearhdslr.com or call us at (843) 492-5283 (US) and (020) 8816-7576 (UK).

Do not send the unit to us without first getting a response and acquiring a return authorization number.

For more information on GLIDE GEAR product performance and training, visit the GLIDE GEAR website.

www.glidegear.net

GLIDE GEAR LLC
714 Seaboard Street #9B, Myrtle Beach SC 29572 USA
www.glidegear.net